

2014 Energy Expo

Mine Rescue Problem

You will enter using an airtight elevator shaft in the #1 Entry. Complete the following instructions, being sure to comply with rules for systematic exploration.

First - You must tie in to the temporary stoppings built by previous teams where left off but do not enter any areas explored by other teams.

Second - There is a RA located between #1 and #2 where the miners may be located and you will need to examine it for survivors.

Third - Explore any additional areas not yet explored to account for any miners still missing.

There will be a 70 minute time limit. A warning will be given at the last ten minute mark.

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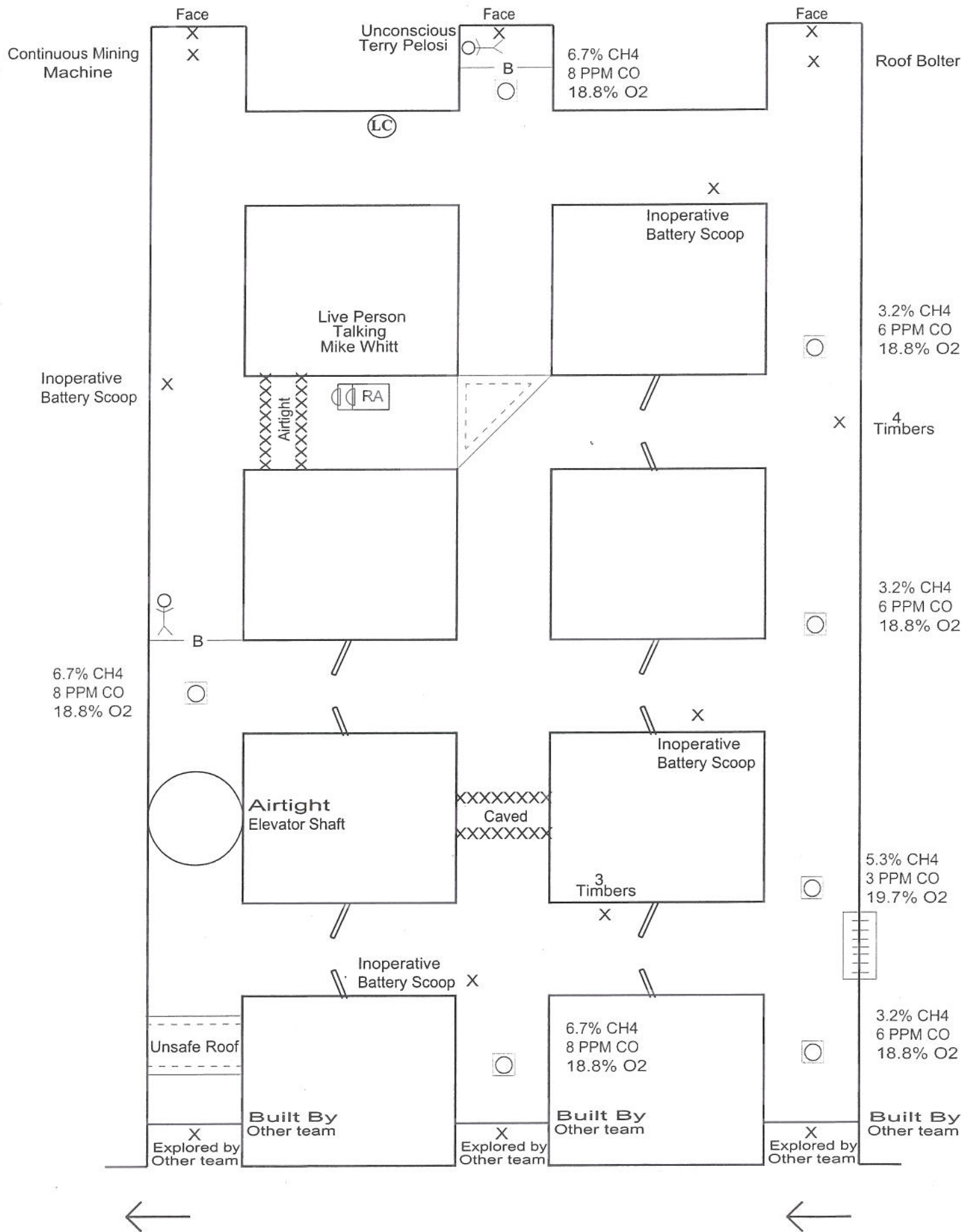
Statement

Thank you for responding to our emergency. Yesterday afternoon a three-person crew traveled to a new area of the mine to perform work in the area of a new elevator shaft. The crew could not be reached using the mine phone during the shift so the shift foreman attempted to travel to the area to check on them. The shift foreman was forced to stop when he encountered significant amounts of methane gas and low oxygen. He then ordered the mine to be evacuated and began making the necessary emergency calls.

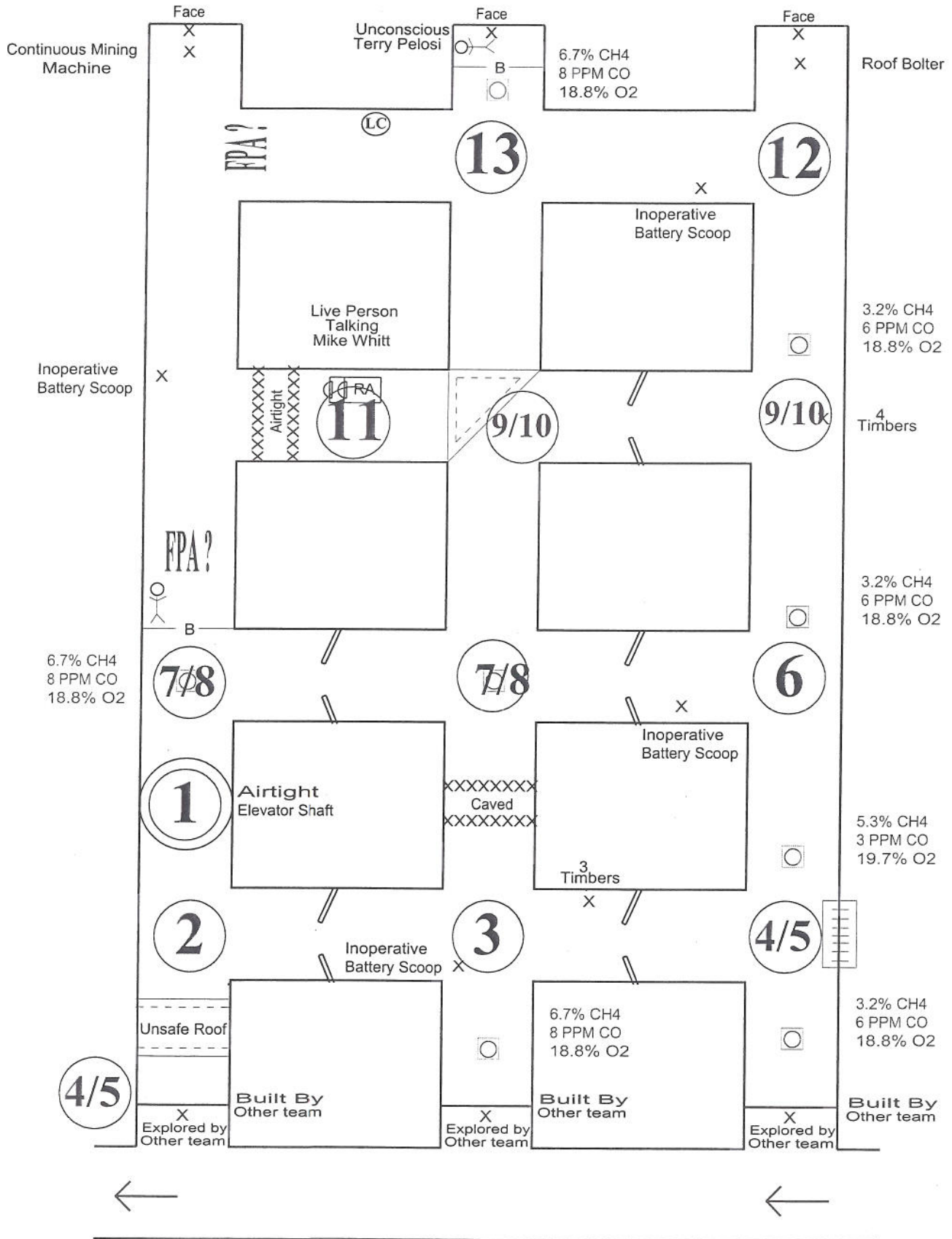
All state, federal, and company officials have been notified and representatives are on the scene. Previous mine rescue teams have managed to explore and clear all areas leading up to the new area where the crew was located. There will be back-up teams located at the fresh air base and on the surface.

The mine is ventilated with a blowing main fan located on the surface that cannot be stopped, stalled, or reversed. This area has three entries and normally the air would be coming up #2 and #3 to the faces and returning out #1. There is another blowing fan located at the new elevator shaft but its installation was not complete at the time of the accident. We are working to get it going as soon as possible and will let you know if it becomes available for your use. If it becomes operational, it would be possible for you to use the auxiliary blowing fan to force air to return out any entry safely.

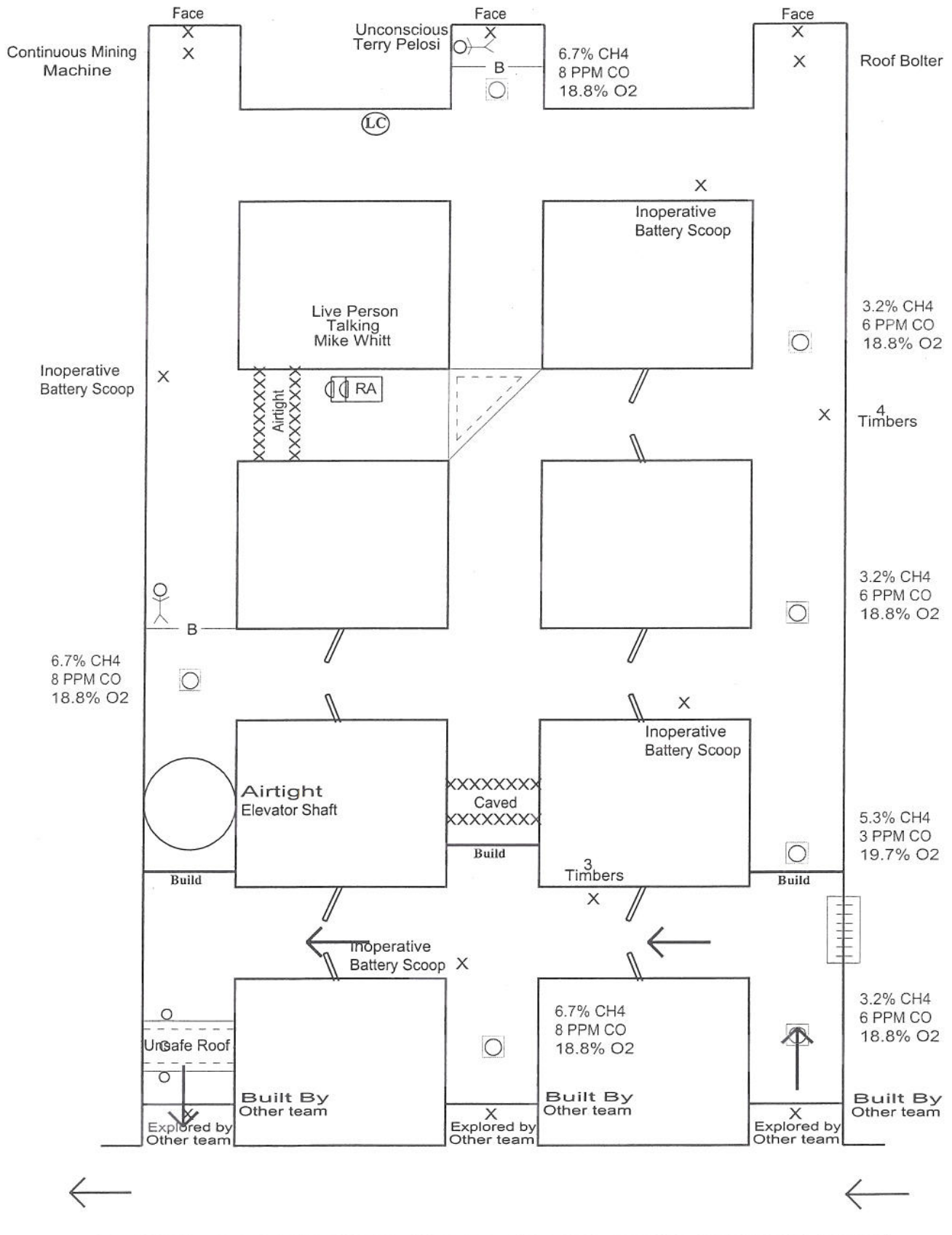
Please be safe and get our miners out.



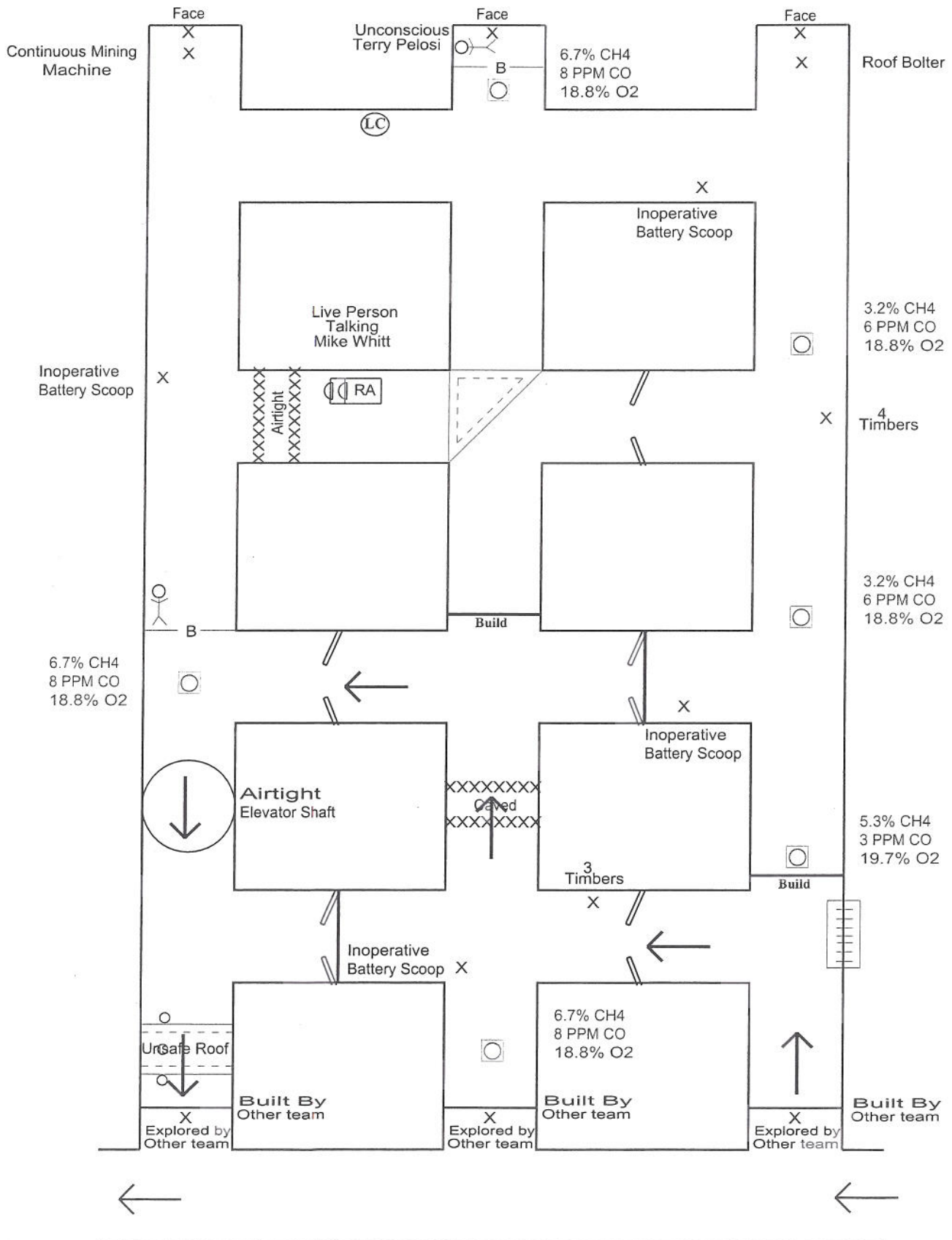
Team Stops



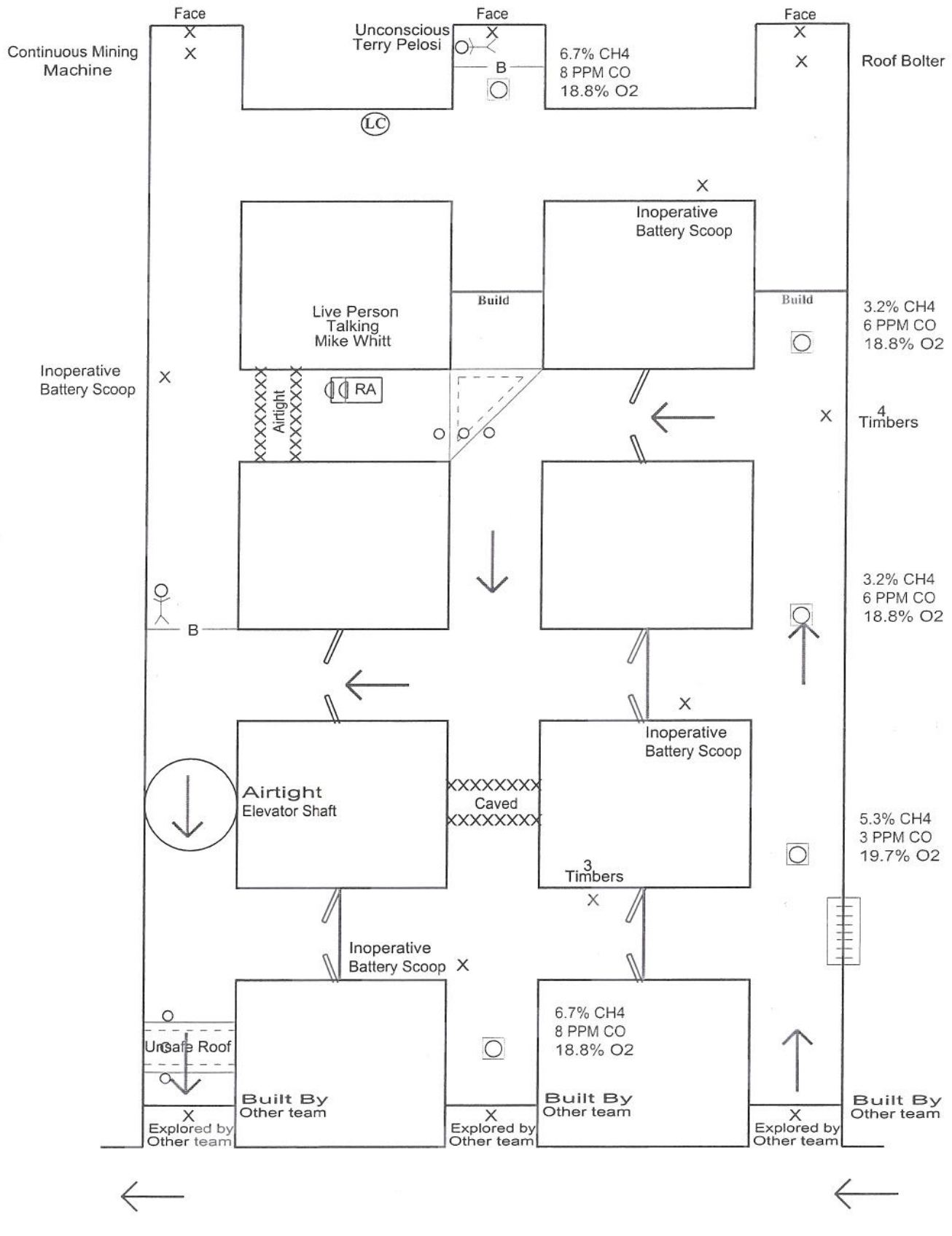
1st Vent



2nd Vent



3rd Vent



4th Vent

